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4-15-2013

# Faculty Senate Bill FSB-2013-04-15-02: Graduate Affairs Committee

Armstrong Atlantic State University

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**Armstrong Atlantic State University**  
**Faculty Senate Bill 2013-04-15-02:**  
**Graduate Affairs Committee**

**Presidential Action**

The attached Graduate Affairs Committee minutes and actions are provided to the University President for approval.

Delivered:

Signature: 21+L Date: 4/30/13

Approve: ✓

Disapprove:       

Remand:       

Comments: (please attach an additional sheet if necessary)

Signature: Linda Bleicken Date: 5/7/13  
Dr. Linda M. Bleicken, President  
Armstrong Atlantic State University

# Armstrong

## GRADUATE CURRICULUM COMMITTEE

University Hall 282

Minutes, March 20, 2013

**PRESENT:** John Hobe, Brenda Logan, Sara Plaspohl, Ashraf Saad, Teresa Winterhalter (Chair), Phyllis Panhorst (Catalog Editor)

**ABSENT:** Michael Benjamin, Helen Taggart

**GUESTS:** John Kraft

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**CALL TO ORDER.** The meeting was called to order at 2:11 p.m. by Dr. Teresa Winterhalter. There was no quorum. Ms. Panhorst gave a summary regarding the items remanded by the Graduate Affairs Committee. At 2:18, quorum was achieved and the business portion of the meeting started.

**APPROVAL OF MINUTES.** The minutes of February 20, 2013 were approved as presented.

### ITEMS

- I. College of Education (no items)
- II. College of Health Professions
  - A. Health Sciences

*Items 1-2 from the Department of Health Sciences were discussed and the graduate portions were approved by the committee. The undergraduate portions were previously approved by the University Curriculum Committee.*

**1. Delete the following course:**

**~~PUBH 5580 U/G Health and Human Development~~ 3-0-3**

Rationale: This course will now be offered at the 4000 level.

**Effective Term: Fall 2013**

**2. Change the following course description:**

SMED 5065U/G Posture and Movement Assessment and Exercise 3-0-3  
Undergraduate Prerequisite: HSCF 3005; HP/FM majors only or permission of instructor

Graduate Prerequisite: SMED 5015G

Techniques to identify impaired movement patterns and altered tissue adaptations. Corrective exercise strategies, including inhibitory, stretching and activation techniques and program design will be emphasized. ~~At the conclusion of the course, students will be prepared to take the National Academy of Sports Medicine (NASM) Corrective Exercise Specialist (CES) certification exam.~~

Rationale: We are no longer collaborating with the National Academy of Sports Medicine.

**Effective Term: Fall 2013**

- B. Nursing (no items)
- C. Rehabilitation Sciences (no items)

III. College of Liberal Arts (no items)

#### **IV. College of Science and Technology**

- A. Biology (no items)
- B. Chemistry & Physics (no items)

#### **C. Computer Science and Information Technology**

*Item 1 from the Department of Computer Science and Information Technology was discussed and the graduate portion was approved by the committee. The undergraduate portion was previously approved by the University Curriculum Committee.*

##### **1. Delete the Following Courses:**

~~**CSCI 5343 U/G SYSTEMS PROGRAMMING UNDER UNIX**~~

~~**CSCI 5835 U/G GRAPHICS RENDERING PRINCIPLES**~~

Rationale: For alignment with the revised graduate program of study. Courses have not been taught in a number of semesters and are outdated.

**Effective Term: Fall 2013**

*Items 2-3 from the Department of Computer Science and Information Technology were brought back to the table after being remanded to the department at the March 5 meeting of the Graduate Affairs Committee. They were discussed and the revised submissions were approved.*

## 2. Modify the following program of study:

### MASTER OF SCIENCE IN COMPUTER AND INFORMATION SCIENCE

#### Track 1: Computer Science

- |  |          |
|--|----------|
| A. Core Required Course (3 hours)  |          |
| <del>CSCI 6100 Technical Writing</del> * <b>CSCI 6001 Foundations of Computing</b> | 3        |
| * <b>Waived for students with a BS in CS from an ABET accredited program</b>       |          |
| B. Foundation Courses (12 semester hours)  |          |
| <del>CSCI 5100G Object-oriented Programming</del>                                  | 3        |
| <del>CSCI 5210G High Performance Computing</del>                                   | 3        |
| CSCI 5220G Data Communications and Networks  | 3        |
| CSCI 5322G Advanced Software Engineering   | 3        |
| <del>CSCI 5342G Advanced Operating Systems</del>                                   | 3        |
| <del>CSCI 5343G Systems Programming Under Unix</del>                               | 3        |
| <del>CSCI 5350G Compiler Theory</del>  | 3        |
| <del>CSCI 5370G Handheld And Ubiquitous Computing</del>                            | 3        |
| CSCI 5410G Analysis Of Algorithms  | 3        |
| <del>CSCI 5360G Embedded Systems Programming</del>                                 | 3        |
| <del>CSCI 5520G Rapid Java Development</del>                                       | 3        |
| <del>CSCI 5610G Numerical Analysis</del>   | 3        |
| CSCI 5700G Computer Security   | 3        |
| CSCI 5720G Advanced Database Systems   | 3        |
| CSCI 5735G Data Mining   | 3        |
| CSCI 5820G Machine Learning  | 3        |
| CSCI 5825G Artificial Intelligence   | 3        |
| <del>CSCI 5830G Computer Graphics</del>  | 3        |
| <del>CSCI 5835G Graphics Rendering Principles</del>                                | 3        |
| C. Fundamental Courses (9 semester hours)  |          |
| <b>CSCI 6040 System Lifecycle Applications</b>                                     | <b>3</b> |
| CSCI 7200 Real-time System Concepts and Implementation                             | 3        |
| CSCI 7300 Computer Networks  | 3        |
| CSCI 7320 Software Development Process   | 3        |
| <del>CSCI 7400 Transaction Processing</del>  | 3        |
| CSCI 7500 Mobile Computing   | 3        |
| CSCI 7600 Collaborative Computing  | 3        |
| <del>CSCI 7830 Current Trends in Computer Graphics</del>                           | 3        |
| <b>CSCI 7800 Computational Intelligence</b>  | <b>3</b> |
| CSCI 7835 Image Processing   | 3        |
| CSCI 8100 Special Topics   | 3        |
| D. Electives (0-3 hours of any graduate-level computer science courses)            | 0-3      |

E. Comprehensive Project, (6 semester hours)	
CSCI 8200 Master's Project	6
CSCI 8210 Master's Thesis	6
<b>TOTAL (Track 1)</b>	<b>30 hours</b>

## **Track 2: Health Informatics**

<b>A. Core Required Course (3 hours)</b>	
*CSCI 6001 Foundations of Computing	3
*Waived for students with a BS in CS from an ABET accredited program	
<b>B. Fundamental Courses (12 hours)</b>	
Select one of the following groups of courses	
*Group I	
*These Courses also required by the Post-Baccalaureate Certificate in Clinical Informatics program.	
MHSA/NURS 6010 Foundations of Clinical Informatics	3
MHSA/NURS 6020 Knowledge/Information Management	3
MHSA/NURS 6030 Project Management	3
MHSA/NURS/CSCI 6040 System Lifecycle Applications	3
Group II	
MHSA 6000 Health Care Financing and Delivery Systems	3
MHSA 6100 Organization Theory/Organization Behavior in Health Care	3
MHSA 6800 Legal Environment of Health Care	3
PUBH 6100 Epidemiology	3
<b>C. Fundamental Courses (9-12 hours)</b>	
CSCI 6371 Advanced Human Computer Interaction	3
CSCI 5735G Data Mining	3
CSCI 7010 Decision Support Systems	3
CSCI 7600 Collaborative Systems	3
CSCI 7800 Computational Intelligence	3
CSCI 8100 Special Topics	3
<b>D. Comprehensive Project, (6 semester hours)</b>	
CSCI 8200 Master's Project	6
CSCI 8210 Master's Thesis	6

<b>TOTAL (Track 2)</b>	<b>30 hours</b>
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Rationale: The new track in Health Informatics is designed to allow students in the *existing* Post-Baccalaureate Certificate program to continue on to a MSCIS degree in a stackable fashion.

**Effective: Fall 2013**

### 3. Create the following certificate program:

#### **POST-BACCALAUREATE CERTIFICATE IN SCIENTIFIC COMPUTING**

##### **A. Core Required Course (3 hours)**

**\*CSCI 6001 Foundations of Computing** 3

**\* Waived for students with a BS in CS degree from an ABET accredited program**

##### **B. Content Courses (3 hours)**

**Choose one:**

**MATH 6900 Special Topics in Mathematics** 3

**MATH 6930 Special Topics in Applied Mathematics** 3

**MATH 7210 Quantitative Methods for Decision Making** 3

##### **C. Fundamental Courses (6-9 hours)**

***\*Note: No more than 2 classes may be at the 5000 level***

**CSCI 5410G Analysis of Algorithms** 3

**CSCI 5610G Numerical Analysis** 3

**CSCI 5720G Advanced Database Systems** 3

**CSCI 5735G Data Mining** 3

**CSCI 5820G Machine Learning** 3

**CSCI 5825G Artificial Intelligence** 3

**CSCI 7800 Computational Intelligence** 3

**CSCI 7835 Image Processing** 3

**CSCI 8100 Special Topics** 3

**TOTAL** 12 hours

Rationale: The new Post-Baccalaureate Certificate program is designed to address the increasing demands for computing solutions to the "big data" problem. This certificate is targeted at STEM majors wishing to pursue a post-baccalaureate certificate. This certificate is also stackable. Students obtaining this certificate could continue on to a MSCIS degree.

**Effective: Fall 2013**

D. Mathematics (no items)

E. Psychology (no items)

### **OTHER BUSINESS**

#### **A. Informational Item**

Changes to the Master of Education in Curriculum and Instruction were put forward and approved at the February 22, 2012 GCC meeting, pending approval by the Georgia Professional Standards Commission (PSC). That approval has been received, so the revised program and course modifications can now be included in the catalog. They may also be included in Banner if that has not

already been done. Please see GCC Attachment 1 for the PSC approval and GCC Attachment 2 for the items approved in February 2012.

**ADJOURNMENT.** The meeting was adjourned at 2:35 p.m.

Respectfully submitted,

Phyllis L. Panhorst  
Catalog Editor



Georgia Professional  
Standards Commission



March 7, 2013

Dr. Linda Bleicken, President  
Armstrong Atlantic State University  
11935 Abercorn Street  
Savannah, Georgia 31419-1997

Dear Dr. Bleicken:

At its February 14, 2013, meeting, the Georgia Professional Standards Commission made an approval decision regarding the Armstrong Atlantic State University Curriculum and Instruction Program. The decision is detailed in the enclosed Approval Action Report.

The Board of Examiners' Report from the November 15, 2012, GaPSC Group Developmental Approval Review is enclosed. If you have questions or concerns, please contact Ms. Penney McRoy, Assistant Division Director for Educator Preparation, Educator Preparation and Certification Division, at 404-232-2629 or you may e-mail her at [penney.mcroy@gapsc.com](mailto:penney.mcroy@gapsc.com).

Sincerely,

A handwritten signature in black ink, appearing to read 'Kelly Henson', is written over a horizontal line.

Mr. Kelly Henson  
Executive Secretary

pc: Dr. Patricia Wachholz  
Dr. David M. Hill  
Ms. Penney McRoy  
Dr. Bobbi Ford  
Ms. Margey McQuilkin

Enclosures: Approval Action Report  
Board of Examiners' Report



**Georgia Professional Standards Commission  
Approval Action Report  
for the  
Armstrong Atlantic State University  
Curriculum and Instruction Program**

**Decision Date: February 14, 2013**

**I. Approval Decisions**

Developmental Approval is granted for the following preparation program:

- Curriculum and Instruction Program (P-12; Initial; M.Ed.)
- Curriculum and Instruction Conversion Mechanism

**II. Approval Decision Definition**

**Developmental Approval** indicates the educator preparation program meets the eight Georgia Standards (2008) and the education program provider (EPP) may begin offering the program and admitting candidates. Areas for improvement may be cited, indicating concerns warranting the EPP's attention. In its subsequent Preparation Approval Annual Report (PAAR) or in a Progress Report, the Commission may require the EPP to describe progress made in addressing the area(s) for improvement cited in the Board of Examiner's Report. The next program approval review, the Initial Performance Review, is scheduled within three years of the semester of the developmental approval review.

**III. Further Action Required**

No additional action is required. The next approval review will occur in Fall 2015.

**FROM GRADUATE CURRICULUM COMMITTEE**  
University Hall 282  
Minutes, February 22, 2012

**I. College of Education**

**A. Adolescent and Adult Education**

*Items 1-9 from the Department of Adolescent and Adult Education were discussed and approved by the committee.*

**1. Modify the following course:**

FOUN 7035 Educational Assessment **for Instructional Improvement** 3-0-3

Prerequisites: None

Description: ~~Covers~~ Methods of formal and informal assessment as well as an analysis of assessment findings required to make instructional decisions to **improve student learning in P-12 educational settings.**

Rationale: New standards were approved for Curriculum and Instruction degree programs by the Georgia Professional Standards Commission. The changes in the course name and description reflect the new emphasis in program standards on instructional improvement.

**Effective Term (for catalog purposes): Fall 2012**

**Effective Term (for Banner purposes): Spring 2013**

**2. Modify the following course:**

FOUN 7040 **Advanced Theories of Curriculum and Learning Theory Instruction** 3-0-3

Prerequisites: None

Description: **Explores the theoretical frameworks supporting various curricular and instructional models, historical and contemporary issues in curriculum development, and the nature and purpose of curriculum change. This course** ~~Prepares the master teacher to understand the~~ **Examines** theoretical constructs that undergird modern classroom instruction and assessment practices and to use effective paradigms of instruction through examining design and evaluation of curriculum. ~~New theories, including those from current brain research and their impact on instruction will be explored.~~

Rationale: New standards were approved for Curriculum and Instruction degree programs by the Georgia Professional Standards Commission. The changes in the course name and description more accurately represent the change in the course content in addressing the new standards.

**Effective Term (for catalog purposes): Fall 2012**

**Effective Term (for Banner purposes): Spring 2013**

**3. Create the following course:**

**FOUN 7045 Educational Psychology and Learning Theory****3-0-3****Prerequisites: None**

**Description:** Analysis of major learning theories as they apply to curriculum, pedagogical content, student learning and assessment of learning. Emphasis on cognitive, physical, emotional, and social factors that influence learning.

Rationale: New standards were approved for Curriculum and Instruction degree programs by the Georgia Professional Standards Commission. This course serves to address the new standards, providing students with an understanding of how to apply learning theory to curriculum development, instruction, and assessment.

**Effective Term (for catalog purposes): Fall 2012**

**Effective Term (for Banner purposes): Spring 2013**

**CURCAT:****Major Department: Adolescent and Adult Learning****Can Course be repeated for additional credit? No****Maximum Number of Credit Hours: 3****Grading Mode: Normal****Instruction Type: Lecture****Course Equivalent: None****4. Create the following course:****CURI 7123 Advanced Instruction for Diverse Learners****3-0-3****Prerequisites: None**

**Description:** Explores the role of student diversity in curriculum and instructional development. Emphasizes examination of educational issues surrounding student diversity from historical and contemporary perspectives and examines the use of educational data to determine the instructional needs of students.

Rationale: New standards were approved for Curriculum and Instruction degree programs by the Georgia Professional Standards Commission. This course serves to address the new standards, providing students opportunities to examine how diverse experiences can shape curriculum and instruction.

**Effective Term (for catalog purposes): Fall 2012**

**Effective Term (for Banner purposes): Spring 2013**

**CURCAT:****Major Department: Adolescent and Adult Learning****Can Course be repeated for additional credit? No****Maximum Number of Credit Hours: 3****Grading Mode: Normal****Instruction Type: Lecture****Course Equivalent: None**

**5. Create the following course:****CURI 7124 Program Evaluation for Curriculum Improvement 3-0-3****Prerequisites: FOUN 7035, FOUN 7040****Description: Focus on developing and applying skills in program evaluation, alignment of curriculum with pedagogical content, state and national standards, and utilizing data and research for the improvement of P-12 educational programs.**

Rationale: New standards were approved for Curriculum and Instruction degree programs by the Georgia Professional Standards Commission. This course serves to address the new standards, providing students with opportunities to interpret educational research on best practices for content pedagogy and analyzing student performance data to make sound programmatic decisions.

**Effective Term (for catalog purposes): Fall 2012****Effective Term (for Banner purposes): Spring 2013****CURCAT:****Major Department: Adolescent and Adult Learning****Can Course be repeated for additional credit? No****Maximum Number of Credit Hours: 3****Grading Mode: Normal****Instruction Type: Lecture****Course Equivalent: None****6. Create the Following Course:****CURI 7125 Literacy for Content Area Instruction 3-0-3****Prerequisites: None****Description: Examination of the current theory, research and practice involving literacy for developing and deepening content instruction in P-12 educational settings. Emphasizes literacy skills and the impact of curriculum and instruction on those skills in content areas.**

Rationale: New standards were approved for Curriculum and Instruction degree programs by the Georgia Professional Standards Commission. This course serves to address the new standards, providing students the opportunity to examine the principles of content area literacy to impact student learning

**Effective Term (for catalog purposes): Fall 2012****Effective Term (for Banner purposes): Spring 2013****CURCAT:****Major Department: Adolescent and Adult Learning****Can Course be repeated for additional credit? No****Maximum Number of Credit Hours: 3**

**Grading Mode: Normal**  
**Instruction Type: Lecture**  
**Course Equivalent: None**

**7. Create the Following Course:**

**CURI 7126 Change Processes for Curriculum Development**

**3-V-3**

**Prerequisites: CURI 7124**

**Description: Focuses on processes for development and implementation of innovations and effective practices in curriculum, pedagogy, and assessment. Emphasis on knowledge base and skills to support collaboration and professionalism leading to improvement in curriculum and student learning at all levels of the P-12 system. Candidates are expected to engage in experiences working directly with instructional coaches, curriculum specialists, or other instructional leaders during this course. A field experience is required.**

Rationale: New standards were approved for Curriculum and Instruction degree programs by the Georgia Professional Standards Commission. This course serves to address the new standards, providing students the opportunity to understand the role of instructional leader and the processes involved in curricular and instructional change.

**Effective Term (for catalog purposes): Fall 2012**

**Effective Term (for Banner purposes): Spring 2013**

**CURCAT:**

**Major Department: Adolescent and Adult Learning**

**Can Course be repeated for additional credit? No**

**Maximum Number of Credit Hours: 3**

**Grading Mode: Normal**

**Instruction Type: Lecture**

**Course Equivalent: None**

**8. Create the following course:**

**CURI 7200 Seminar in Applied Research in Curriculum and Instruction 1-V-4**

**Prerequisites: CURI 7126 and Permission of Instructor**

**Description: Capstone course for the Master of Education in Curriculum and Instruction. Candidates will conduct research, analyze data, and apply best practice to the developments and implementation of improvements in curriculum and instruction in a content area. Candidates will be required to submit their capstone projects for publication or presentation.**

Rationale: New standards were approved for Curriculum and Instruction degree programs by the Georgia Professional Standards Commission. This course serves to address the new standards, providing students with the opportunity to demonstrate their understanding of curriculum development, instructional design, and assessment of student learning for instructional/curricular improvement.

**Effective Term (for catalog purposes): Fall 2012**  
**Effective Term (for Banner purposes): Spring 2013**

**CURCAT:**

**Major Department: Adolescent and Adult Learning**

**Can Course be repeated for additional credit? No**

**Maximum Number of Credit Hours: 4**

**Grading Mode: Normal**

**Instruction Type: Seminar**

**Course Equivalent: No**

**9. Modify the following program of study:**

**Master of Education in Curriculum and Instruction Program of Study**

**A. Professional Education (12 hours)**

FOUN 7035 Educational Assessment **for Instructional Improvement** ..... 3

FOUN 7060 Educational Research ..... 3

FOUN 7040 ~~Curriculum and Learning Theory~~ **Advanced Theories of Curriculum and Instruction** ..... 3

**FOUN 7045 Educational Psychology and Learning Theory** ..... 3

~~FOUN 7010 History of Education or FOUN 7030 Social Foundations of Education~~ ..... 3

~~PECI 7000 Sport History (restricted to Health and Physical Education Majors)~~ ..... 3

**~~B. Research Seminar (2 hours)~~**

~~FOUN 7065 Field Based Research Seminar~~ ..... 2

**B. Professional Courses (12 hours)**

**~~C. Education Courses (6 hours)~~**

~~FOUN 7050 Multicultural Education~~ ..... 3

~~PECI 7100 Cultural Aspects of Sports (restricted to Health and Physical Education Majors)~~ ..... 3

~~FOUN 7002 Designing Curriculum for Effective Teaching and Learning~~ ..... 3

~~PECI 7500 Instructional Strategies and Design in Health and Physical Education (restricted to Health and Physical Education Majors)~~ ..... 3

**CURI 7123 Advanced Instruction for Diverse Learners** ..... 3

<b>CURI 7124 Program Evaluation for Curriculum Improvement.....</b>	<b>3</b>
<b>CURI 7125 Literacy for Content Area Instruction.....</b>	<b>3</b>
<b>CURI 7126 Change Processes for Curriculum Development.....</b>	<b>3</b>
<b>D. C. Approved Electives (9 6 hours)</b>	
Up to nine Six hours of graduate level content courses with advisor approval. These courses are designed to advance content knowledge. Electives should reflect candidate's area of concentration. credit can be taken outside the College of Education in a specialized content area in which the candidate holds clear-renewable teacher certification. Electives require approval by the candidate's assigned advisor.	
<del>EDUC 6400 Coastal Savannah Writing Project .....</del>	<del>6</del>
<del>FOUN 7100 Selected Topics in Foundations of Education .....</del>	<del>3</del>
<del>MGED 7070 Teaching Cross Cultural Communications .....</del>	<del>3</del>
<del>PECI 7300 Physical Activity in Youth (restricted to Health and Physical Education Majors).....</del>	<del>3</del>
<del>PECI 7400 Adaptive Physical Education (restricted to Health and Physical Education Majors).....</del>	<del>3</del>
<del>PECI 7200 Movement Education (restricted to Health and Physical Education Majors).....</del>	<del>3</del>
<b>D. Culminating Experiences (4 hours)</b>	
<del>FOUN 7070 Field Based Research .....</del>	<del>4</del>
<b>CURI 7200 Seminar in Applied Research in Curriculum and Instruction.....</b>	<b>4</b>
<b>TOTAL</b>	<b>33-34 hours</b>

Rationale: The changes to the program of study for the Master of Education in Curriculum and Instruction have been made to meet substantive changes in certification standards set by the Georgia Professional Standards Commission (GA PSC) under rule 505-3-.55. Once formally approved by the GA PSC, this program will prepare completers for the new Georgia P-12 Service (S) Certificate in Curriculum and Instruction that will allow them to provide support and service at all levels of the P-12 educational system. This will be the first such service certificate offered at Armstrong.



**Effective Term (for catalog purposes): Fall 2012**